

WHAT IS CLAIMED IS:

1. An anti-siphon device for limiting the flow of a fluid from a first region of a patient's body to a second region, comprising:
 - a housing having a spherical inner surface with a predetermined inner diameter, said housing having an inlet port for receiving fluid from the first region and an outlet port for directing fluid to the second region, said inlet port and said outlet port are disposed approximately diametrically opposite from each other; and
 - a spherical ball disposed within said housing, said spherical ball having a ferromagnetic weight disposed off center therein, said spherical ball having an outer diameter that is less than the inner diameter of said housing so that said spherical ball is free to rotate within said housing and the fluid is free to flow between said inner surface of said housing and an outer surface of said spherical ball, said spherical ball having a recess extending about the circumference of said spherical ball.
2. The anti-siphon device according to claim 1, further comprising
 - a first magnetic band surrounding said housing, said first magnetic band having a plane of symmetry that is approximately normal to a line extending between said inlet port and said outlet port;
 - a second magnetic band disposed about said outlet port, said second magnetic band having a plane of symmetry that is approximately normal to said line.
3. The anti-siphon device according to claim 2, wherein the first magnetic band has one charge and the magnetic weight has an opposite charge.
4. The anti-siphon device according to claim 3, wherein the second magnetic band has the same charge as the first magnetic band.
5. The anti-siphon device according to claim 4, wherein the housing is made of a material that reduces electromagnetic interference.
6. The anti-siphon device according to claim 5, wherein the housing is made of metal.

7. The anti-siphon device according to claim 1, wherein the housing is made of a rigid material that reduces electromagnetic interference.
8. The anti-siphon device according to claim 2, wherein the housing is made of a rigid material that reduces electromagnetic interference.
9. The anti-siphon device according to claim 7, wherein the housing is made of metal.
10. The anti-siphon device according to claim 2, wherein placing the housing in a first position causes the magnetic weight in the spherical ball to align with the first magnetic band such that said circumferential recess defines a plane and said line lies approximately within said plane.
11. The anti-siphon device according to claim 10, wherein placing the housing in a second position causes the magnetic weight in the spherical ball to align with the second magnetic band such that said plane defined by said circumferential recess is normal with respect to said line.
12. The anti-siphon device according to claim 11, wherein the first position is disposed approximately ninety degrees from said second position.
13. The anti-siphon device according to claim 1, wherein said spherical ball has a through bore extending therethrough.
14. The anti-siphon device according to claim 13, wherein said through bore is approximately normal to a plane defined by said circumferential recess.
15. A system for limiting the flow of a fluid from a first region of a patient's body to a second region, comprising:
 - a housing having an inlet for receiving fluid from the first region and an outlet for directing fluid to the second region;
 - one-way valve disposed within said housing;
 - a subhousing disposed within said housing and downstream from said one-way valve, said subhousing having a spherical inner surface with a predetermined inner diameter, said

subhousing having an inlet port and an outlet port, said inlet port and said outlet port are disposed approximately diametrically opposite from each other; and

a spherical ball disposed within said subhousing, said spherical ball having a ferromagnetic weight disposed off center therein, said spherical ball having an outer diameter that is less than the inner diameter of said subhousing so that said spherical ball is free to rotate within said subhousing and the fluid is free to flow between said inner surface of said subhousing and an outer surface of said spherical ball, said spherical ball having a recess extending about the circumference of said spherical ball.

16. The system according to claim 15, further comprising,

a first magnetic band surrounding said subhousing, said first magnetic band having a plane of symmetry that is approximately normal to a line extending between said inlet port and said outlet port;

a second magnetic band disposed about said outlet port, said second magnetic band having a plane of symmetry that is approximately normal to said line.

17. The system according to claim 16, wherein the first magnetic band has one charge and the magnetic weight has an opposite charge.

18. The system according to claim 17, wherein the second magnetic band has the same charge as the first magnetic band.

19. The system according to claim 18, wherein the subhousing is made of a material that reduces electromagnetic interference.

20. The system according to claim 19, wherein the subhousing is made of metal.

21. The system according to claim 15, wherein the subhousing is made of a material that reduces electromagnetic interference.

22. The system according to claim 16, wherein the subhousing is made of a material that reduces electromagnetic interference.

23. The system according to claim 21, wherein the subhousing is made of metal.

24. The system according to claim 16, wherein placing the subhousing in a first position causes the magnetic weight in the spherical ball to align with the first magnetic band such that said circumferential recess defines a plane and said line lies approximately within said plane.
25. The system according to claim 24, wherein placing the subhousing in a second position causes the magnetic weight in the spherical ball to align with the second magnetic band such that said plane defined by said circumferential recess is normal with respect to said line.
26. The system according to claim 25, wherein the first position is disposed approximately ninety degrees from said second position.
27. The system according to claim 15, wherein a spring bias of said one-way valve is programmable.
28. The system according to claim 16, wherein a spring bias of said one-way valve is programmable.
29. The system according to claim 15, wherein said spherical ball has a through bore extending therethrough.
30. The anti-siphon device according to claim 29, wherein said through bore is approximately normal to a plane defined by said circumferential recess.